User

Manual

KTD-411

Digiplex® IV Programming Software

GE Interlogix
Kalatel

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For technical support before and after installation, call 800-469-1676.

Technical support is available 24 hours a day, 7 days a week.

Call:	**Tech Support**	800-469-1676 (6 A.M. – 5 P.M. PST Monday through Friday)
	Tech Support	541-740-3589 (all other times)
	Main	800-343-3358 or 541-754-9133
Fax:	**Tech Support**	541-752-9096 (available 24 hours a day)
	Main	541-754-7162
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TABLE OF CONTENTS

BEFORE YOU BEGIN 5

1 SOFTWARE INSTALLATION 6

1.1 MAKING CONNECTIONS 6

2 SYSTEM SETUP 7

3 CAMERA SETUP 8

4 PROGRAMMING MONITORS 10

4.1 MONITOR SETUP 11

4.2 ARMING CAMERAS 12

4.3 MONITORS' SEQUENCE SETUP 13

4.3.1 Sequences 1 – 6 13

4.3.2 Sequence 7 15

5 GROUPS 16

5.1 GROUP SETUP 16

5.2 GROUP SEQUENCE SETUP 17

6 DOWNLOADING AND UPLOADING 19

6.1 DOWNLOADING 19

6.2 UPLOADING 20

7 OPENING AND SAVING A DATABASE 21

7.1 OPENING AND SAVING AN EXISTING DATABASE 21

7.1.1 Save 21

7.1.2 Open 21

7.2 OPENING A NEW DATABASE 22

8 PRINTING 23

BEFORE YOU BEGIN

Read these instructions before installing or operating this product.

Note: This installation should be made by a qualified service person and should conform to local codes.

This manual provides installation and operation information. To use this document, you must have the following minimum qualifications:

- A basic knowledge of CCTV systems and components
- A basic knowledge of electrical wiring and low-voltage electrical hookups

Use this product only for the purpose for which it was designed.

Customer Support

For assistance in installing, operating, maintaining, and troubleshooting this product, refer to this document and any other documentation provided. If you still have questions, contact Technical Support:

GE Interlogix, Video Systems Group
Call: 800-469-1676
Fax: 541-752-9096

Note: You should be at the equipment, ready with details before calling Technical Support.

Conventions Used in this Manual

Boldface or button icons highlight command entries. The following **WARNING, CAUTION,** and **Note** statements identify potential hazards:

* **WARNING:**
Improper use of this equipment can cause severe bodily injury or equipment damage.

** **CAUTION:**
Improper use of this equipment can cause equipment damage.

Note: Notes contain important information about a product or procedure.

* This symbol indicates electrical warnings and cautions.
** This symbol indicates general warnings and cautions.

1 SOFTWARE INSTALLATION

1) Insert the programming software CD into your computer's CD-ROM drive.

2) If the installer does not open automatically, select the CD drive in Windows Explorer.

3) Click **Install Matrix Switcher Programmer**. The Matrix Switcher Programmer Installer opens.

4) Follow the on-screen instructions.

1.1 MAKING CONNECTIONS

See Figure 1 and perform the following:

1) Connect the supplied cable to the DB9 adapter.

2) Connect the DB9 adapter to your computer's COM port.

3) Connect the cable to the RS232 port on the back of the KTD-440 or on the front of the KTD-447 card.

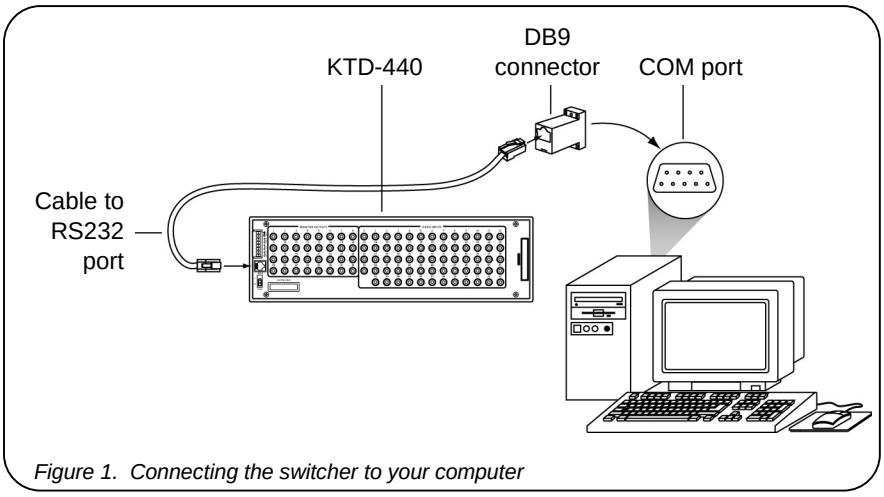

Figure 1. Connecting the switcher to your computer

2 SYSTEM SETUP

1) To open the software, double-click the KTD-411 Programming Software desktop icon. The K Matrix Switcher Programmer dialog box appears. See Figure 2.

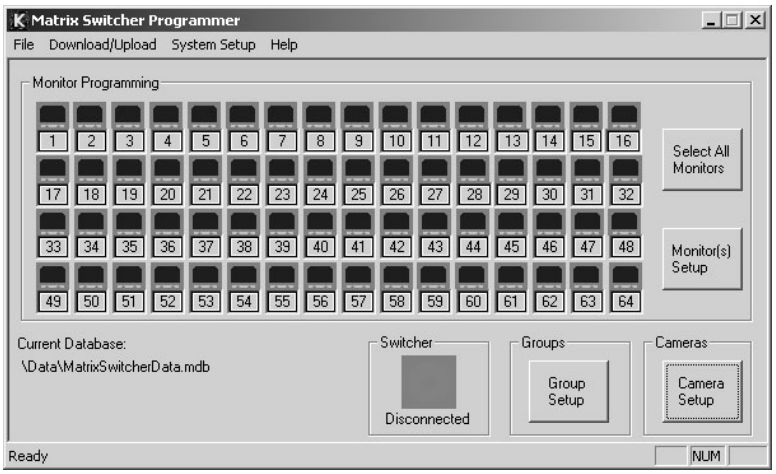
Matrix Switcher Programmer
File
Download/Upload
System Setup
Help
Monitor Programming
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
Select All Monitors
Monitor(s) Setup
Current Database:
\Data\MatrixSwitcherData.mdb
Switcher
Disconnected
Groups
Group Setup
Cameras
Camera Setup
Ready
NUM

Figure 2. Matrix Switcher Programmer main dialog box

Note: If the desktop icon is unavailable, click **Start** on the task bar, point to **Programs**, **Kalatel**, **Matrix Switcher**, and then click **KTD-411 Programming Software**.

2) Click **System Setup**. The System Setup dialog box appears. See Figure 3.

3) Type the highest camera address and the number of monitors in your system.

4) Click **Done**.

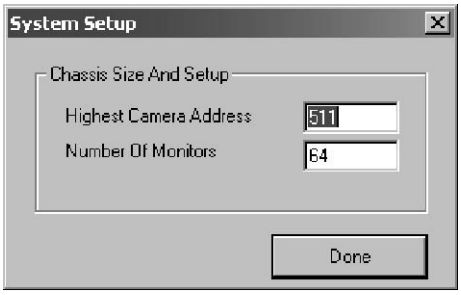

Figure 3. Enter the system information

3 CAMERA SETUP

1) On the K Matrix Switcher Programmer dialog box (Figure 2), click **Camera Setup**. The **Camera Setup** dialog box (Figure 4) appears.

2) Click the **BNC Number** of the camera you want to set up.

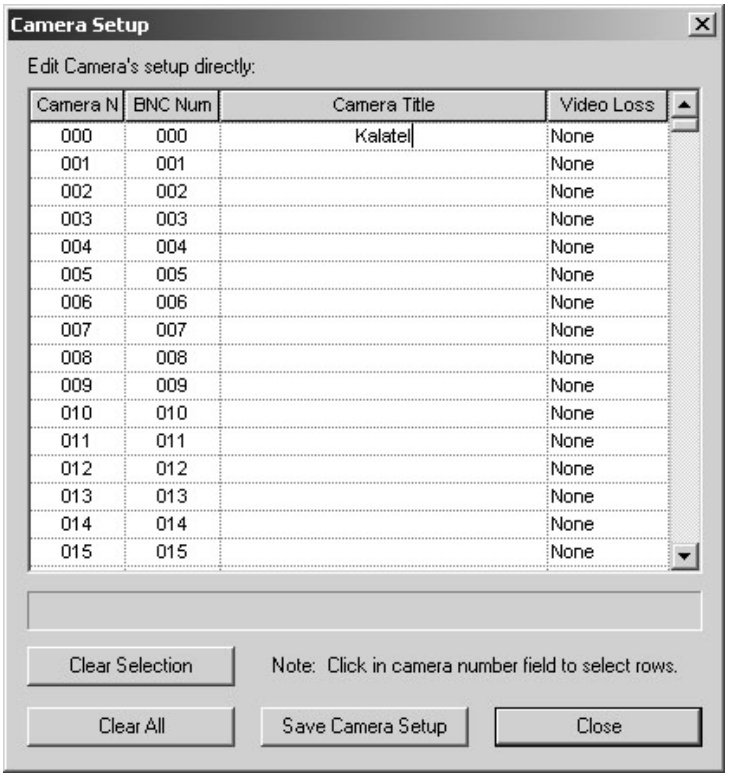

Figure 4. Camera Setup dialog box

3) Type the number of the BNC connector on the back of the chassis to which the camera will be connected. See Figure 5.

Note: Remote switcher BNC mapping is not supported.

4) In the **Camera Title** field, type a camera title.

5) In the **Video Loss** field, click **None**. A drop-down arrow appears in the field.

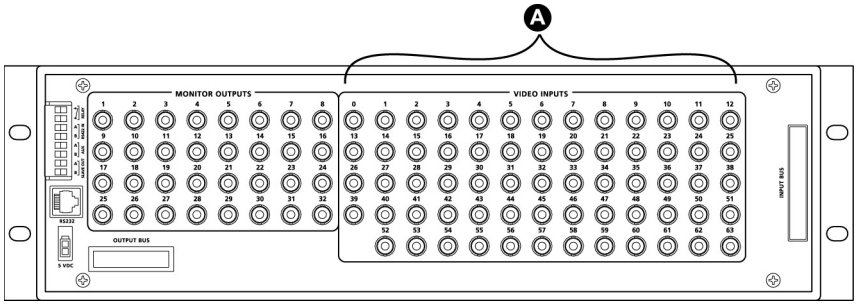

Figure 5. BNC video input connector numbers (A)

6) Click the arrow to select None, Sync, Low, Medium, or High sensitivity.

7) Repeat steps 2 through 6 for all cameras in the system.

To clear camera setup information

- One camera: click the camera number to highlight the row, then click **Clear Selection**.
- A group of cameras: simultaneously press the **Ctrl** key and click on the number fields of the cameras you would like to clear, then click **Clear Selection**.
- All cameras: click **Clear All**.

8) Click **Save Camera Setup**.

9) Click **Close**.

4 PROGRAMMING MONITORS

Note: If any of your monitor numbers are unavailable, adjust the number of monitors you typed in section 2, System Setup. See Figure 3.

- If you want all monitors to share the same settings, click **Select All Monitors**. All monitor icons will display as active. The **Select All Monitors** button will change to **Deselect All**. See Figure 6.

  Note: Click **Deselect All** if you want to deselect all monitors.

- If you want one or multiple monitors to have different settings, click on the number of each monitor . The selected monitor icons will appear as active.

  Note: You must click the monitor number, not the area above the number.

Click **Monitor(s) Setup** to begin programming the selected monitor(s). The **Programming Monitor** dialog box appears.

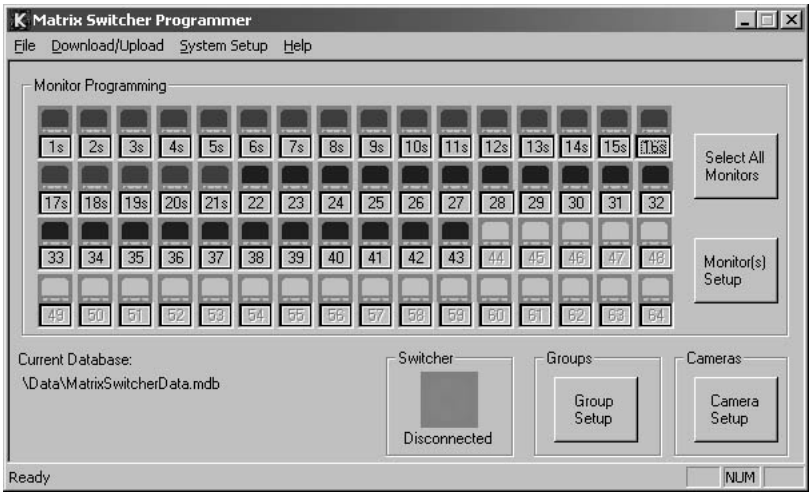
Matrix Switcher Programmer
File Download/Upload System Setup Help
Monitor Programming
1s 2s 3s 4s 5s 6s 7s 8s 9s 10s 11s 12s 13s 14s 15s 16s
17s 18s 19s 20s 21s 22 23 24 25 26 27 28 29 30 31 32
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
Select All Monitors
Monitor(s) Setup
Current Database:
\Data\MatrixSwitcherData.mdb
Switcher
Disconnected
Groups
Group Setup
Cameras
Camera Setup
Ready
NUM

Figure 6. Monitor Programming dialog box showing 43 available monitors

4.1 MONITOR SETUP

See Figure 7 and perform the following:

1) On the **Programming Monitor** dialog box, click the **Monitor Setup** tab.

2) Set the monitor parameters.

Note: The Universal Dwell time is for monitor and group sequences.

3) Click **Save Mon. Setup**.

Note: If you click Close or another tab in the Programming Monitor dialog box without saving changes, a warning dialog box appears. Settings will be lost if you do not save them.

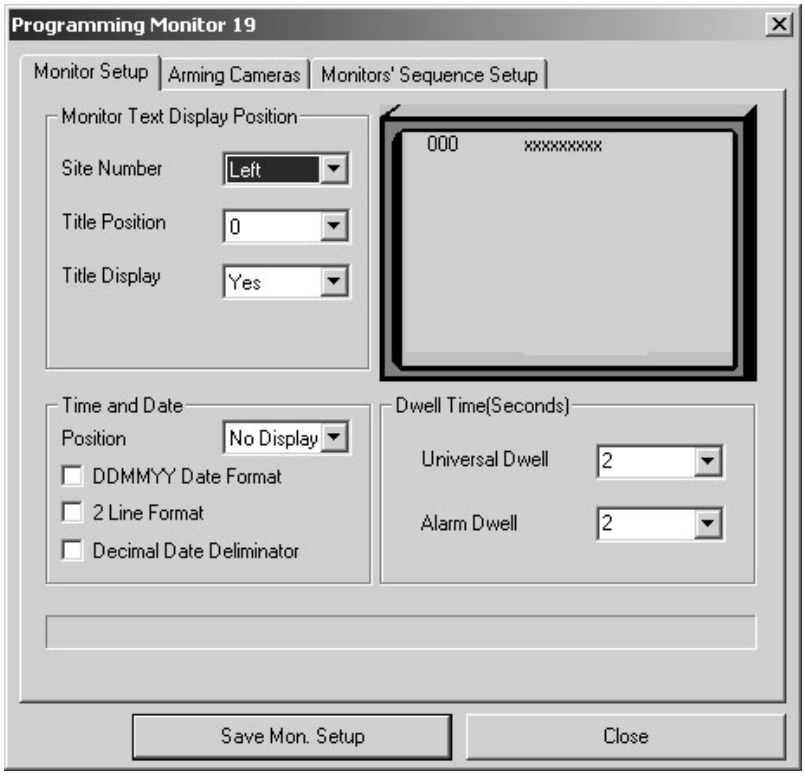

Figure 7. Monitor Setup tab

4.2 ARMING CAMERAS

See Figure 8 and perform the following:

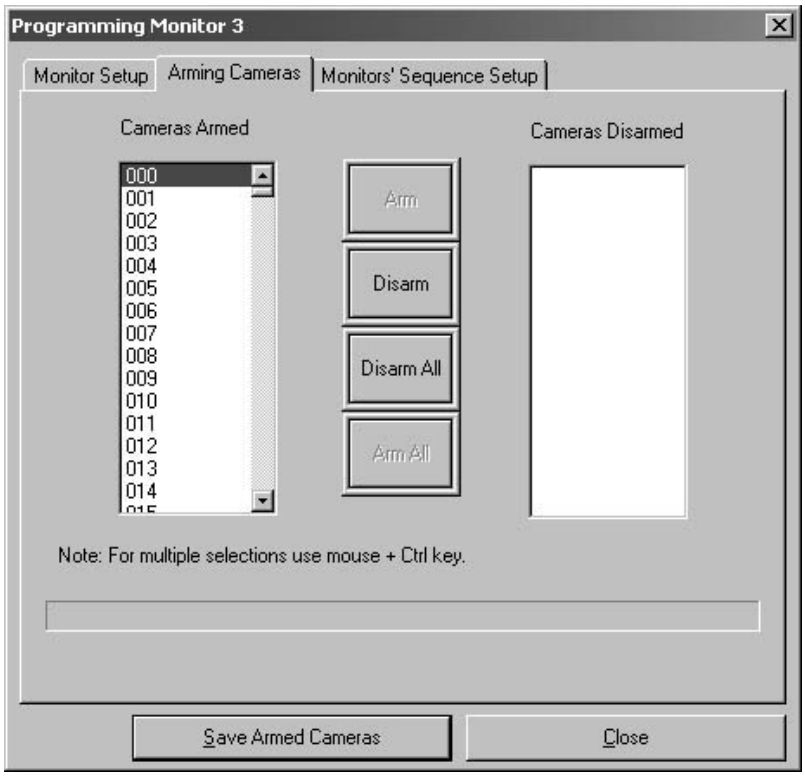

Figure 8. Arming Cameras tab

1) Click the **Arming Cameras** tab in the Programming Monitor dialog box.

2) All cameras are armed by default:

- To disarm one camera, click the camera number, then click **Disarm**.
- To disarm multiple cameras, simultaneously press the **Ctrl** key and click each camera number, then click **Disarm**.
- To disarm all cameras, click **Disarm All**.

3) Click **Save Armed Cameras**.

Note: If you click Close or another tab in the Programming Monitor dialog box without saving changes, a warning dialog box appears. Settings will be lost if you do not save them.

4.3 MONITORS' SEQUENCE SETUP

4.3.1 SEQUENCES 1 – 6

Each monitor or group of monitors can use one of six sequences (1 through 6) with up to 32 steps each. To set up a sequence of camera views for the selected monitor(s), see Figure 9 and perform the following:

1) Click the **Monitors' Sequence Setup** tab of the Programming Monitor dialog box. Armed cameras are displayed in the box on the left.

2) Select the desired **Sequence Number**.

3) Click on the camera to appear first in the sequence. The camera will display as active.

4) In the **Sequence Step Dwell Time** drop-down menu, select how many seconds (1 – 30) the camera is to remain on the monitor.

5) Click **Add To Sequence.** The camera number and its dwell time appear in the box on the right.

6) Repeat steps 3 through 5 until you enter all desired cameras in the sequence.

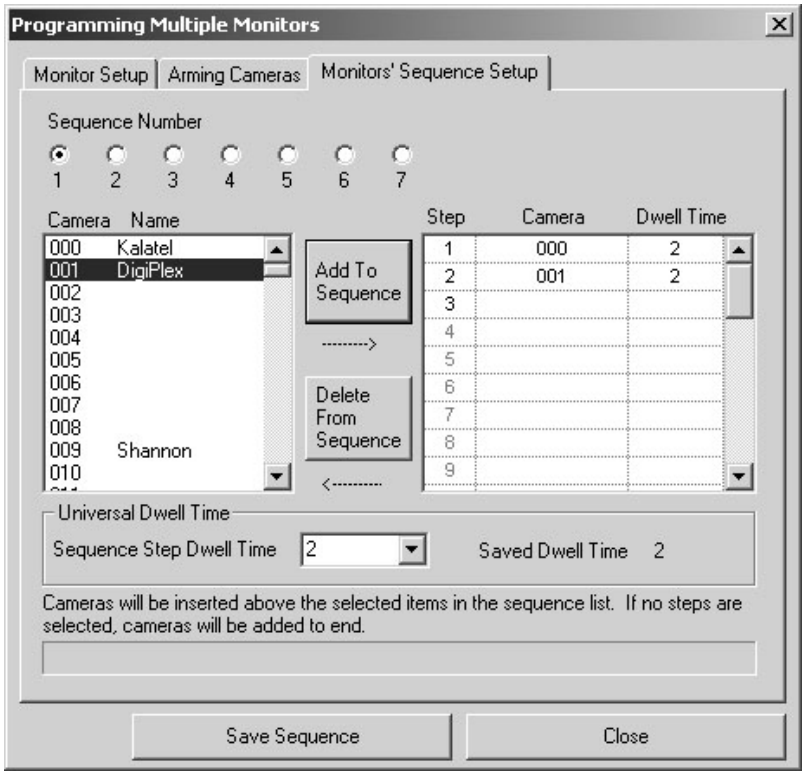

Figure 9. Monitors' Sequence Setup tab for sequences 1 – 6

- To add a camera in the middle of a sequence, position the pointer over the step you wish to change and click it. Follow steps 3 through 5. The new camera will be added, and all cameras below it will move down one step.
- To remove a camera from the sequence, position the pointer over the step and click it. Click **Delete From Sequence**.

7) Click **Save Sequence.**

8) Repeat steps 2 through 7 to set up other sequences (1 – 6).

4.3.2 SEQUENCE 7

Sequence 7 always begins at camera 0 and runs up to the camera assigned in the **Highest Camera Number** box (see Figure 10).

See Figure 10 and perform the following:

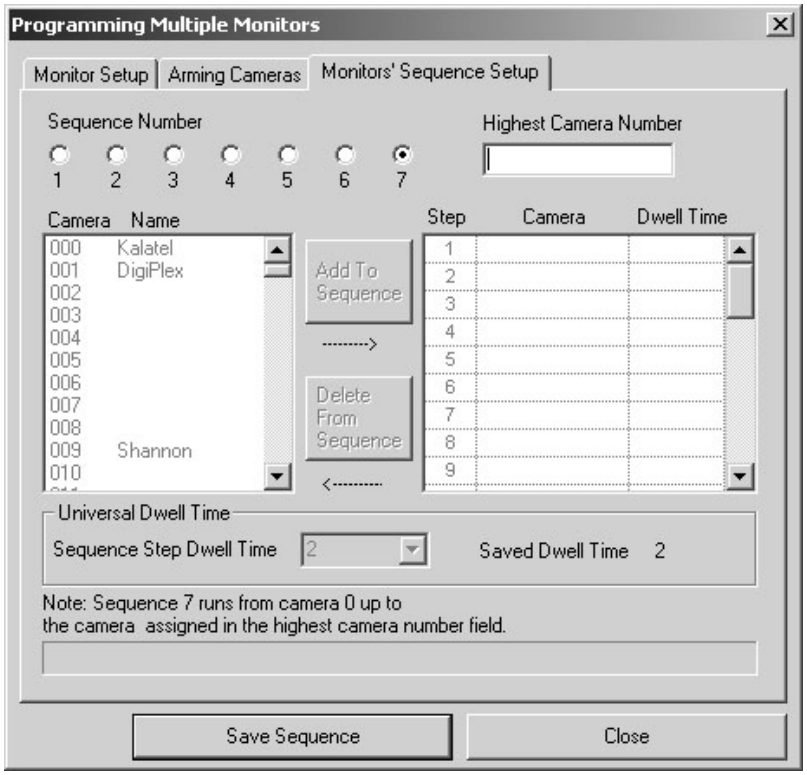

Figure 10. Monitors' Sequence Setup tab for sequence 7

1) Select **Sequence Number** 7.

2) In the **Highest Camera Number** box, enter the number of the camera at which the sequence will end.

Note: If the **Saved Dwell Time** is not appropriate, click the **Monitor Setup** tab and change the **Universal Dwell** (you must click **Save Mon. Setup**).

3) Click **Save Sequence.**

4) Click **Close.**

5 GROUPS

5.1 GROUP SETUP

You can program groups of cameras to appear on specific monitors in a sequence. Thirty-two groups can be programmed into twelve sequences. See Figure 11 and perform the following:

1) Click **Group Setup** in the main programming dialog box (Figure 6). The **Groups** dialog box appears.

2) Click the **Group Setup** tab.

3) Select a group number.

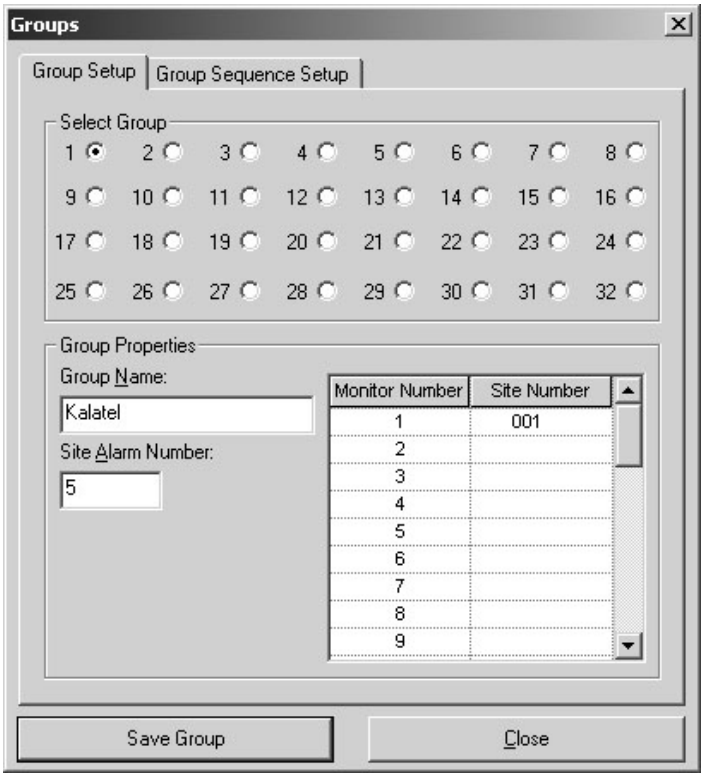

Figure 11. Group Setup tab

4) In the **Group Name** box, type a name for the group.

5) In the **Site Alarm Number** box, type the number of the site alarm that will call up this group when the alarm is activated.

6) Click in the **Site Number** field corresponding to each monitor and type the number of the camera to appear.

7) Click **Save Group**.

8) Repeat steps 3 through 7 for additional groups.

5.2 GROUP SEQUENCE SETUP

See Figure 12 and perform the following:

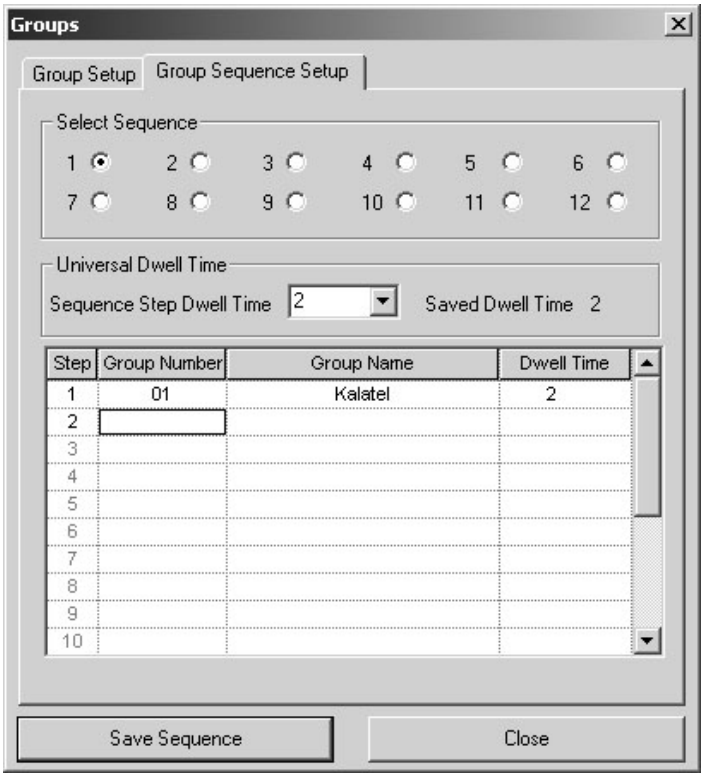

Figure 12. Group Sequence Setup tab

1) Click the **Group Sequence Setup** tab.

2) Select a sequence number.

3) In the **Sequence Step Dwell Time** drop-down, type or select a dwell time (1 – 30) for the first group in the sequence.

4) Click in the **Group Number** field for Step 1 and type the number of the group to appear first in the sequence.

5) Press **Enter** or click in the next **Group Number** field. The group name that you programmed in **Group Setup** appears.

Note: If you enter a group number for a group that has not been set up, the default name and **Dwell Time** appear.

6) To change the group in a given sequence step, click in the **Group Number** field of the step you want to change, delete the current information, and type the new group number.

7) To delete a group, click the **Step** number to activate the row and press **Delete**.

8) Click **Save Sequence**.

9) Repeat steps 2 through 7 for successive sequences.

10) Click **Close**.

6 DOWNLOADING AND UPLOADING

6.1 DOWNLOADING

See Figure 13 and perform the following:

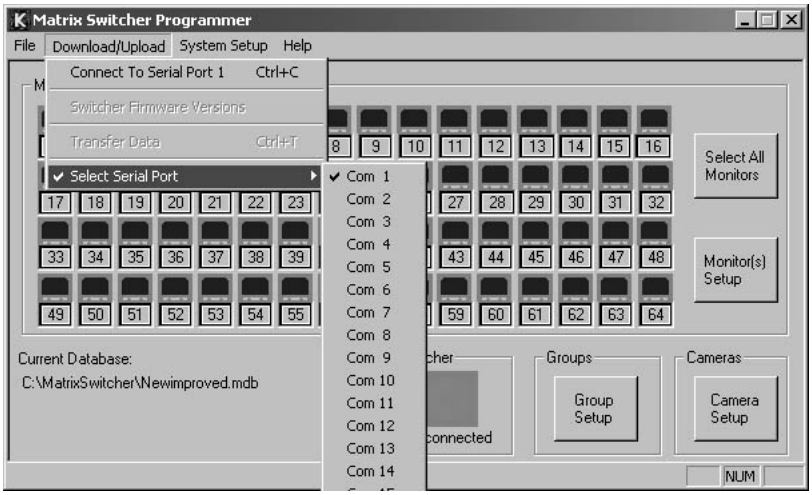

Figure 13. Download/Upload menu choices

1) Click **Download/Upload** in the main programming dialog box.

2) On the **Select Serial Port** submenu, select the COM port on your computer to which the switcher is connected.

3) Click **Connect To Serial Port** to connect to the switcher.

4) The **Connected to Switcher** dialog box appears.

5) Click **OK**.

Note: If the **No Switcher Card Found** warning appears, ensure that the switcher is turned on and that all connections are sound.

6) On the **Download/Upload** menu, click **Transfer Data**.

7) Select the appropriate check boxes. See Figure 14.

Note: The **Download/Upload Sequences** check box remains unavailable until the **Download/Upload Monitors** check box is selected.

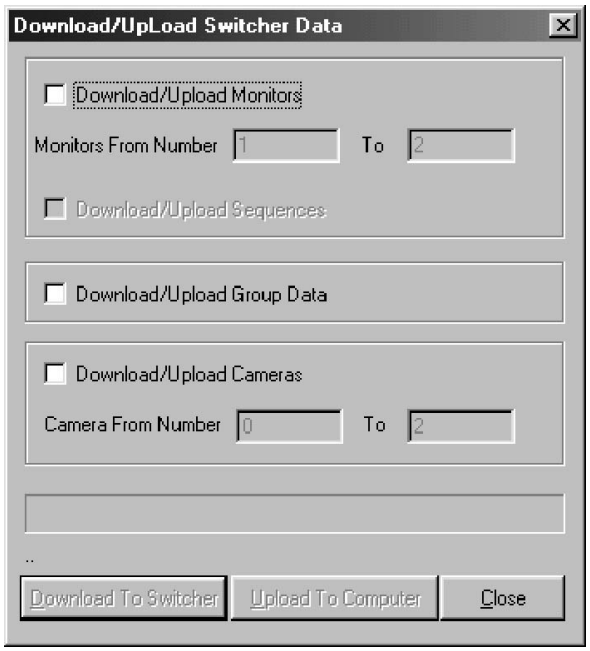

Figure 14. Download/Upload Switcher Data dialog box

Note: Monitors, group data, and cameras can be uploaded or downloaded separately. The download or upload process will take longer if all check boxes are selected.

8) Click **Download to Switcher**.

Note: The downloading process might take a few minutes.

9) When the data transfer is complete, click **Close**.

6.2 UPLOADING

1) Connect the switcher to your computer. (See section 6.1, Downloading.)

2) On the **Download/Upload** menu, click **Transfer Data**.

3) Select the appropriate check boxes. See Figure 14.

Note: The **Download/Upload Sequences** check box remains unavailable until the **Download/Upload Monitors** check box is selected.

4) Click **Upload to Computer**.

5) When uploading is complete, click **Close**.

7 OPENING AND SAVING A DATABASE

7.1 OPENING AND SAVING AN EXISTING DATABASE

7.1.1 SAVE

1) On the file menu, click **Save Database As…**. The dialog box in Figure 15 appears.

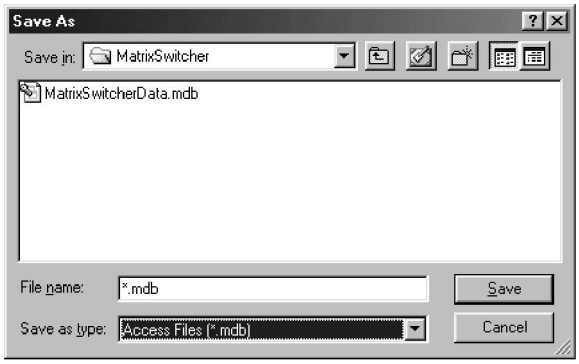

Figure 15. Save As dialog box

2) Enter a file name in the **File Name** field.

3) Select a folder in which to save the file.

4) Click **Save**.

7.1.2 OPEN

1) On the file menu, click **Open**. The dialog box in Figure 16 appears.

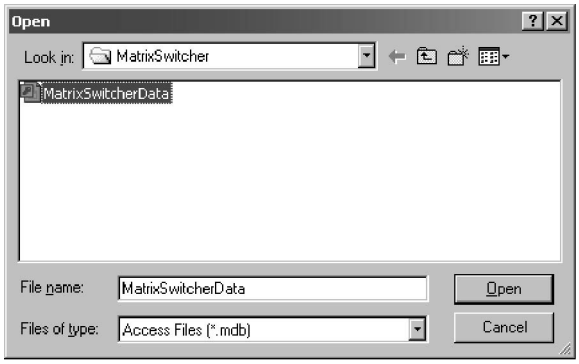

Figure 16. Open dialog box

2) Click the name of the database you wish to open, or type the name into the **File name** box.

3) Click **Open**.

7.2 OPENING A NEW DATABASE

CAUTION:
Any open, unsaved databases will be erased when a new one is created.

1) To save the current database, see section 7.1.1, Save.

2) On the **File** menu, click New (Factory Defaults) to open a new database. The warning in Figure 17 appears.

3) To save the current database, click **No**. (See section 7.1.1, Save.)

4) To create a new database, click **Yes**.

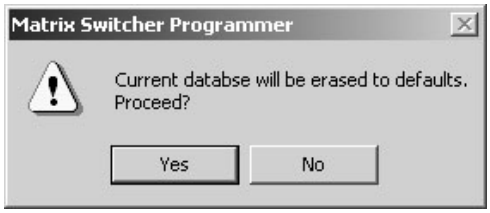

Figure 17. Save current database warning

8 PRINTING

The parameters for any number of cameras, monitors, monitor sequences, or group sequences can be printed.

1) On the **File** menu, click **Print….** The dialog box in Figure 18 appears.

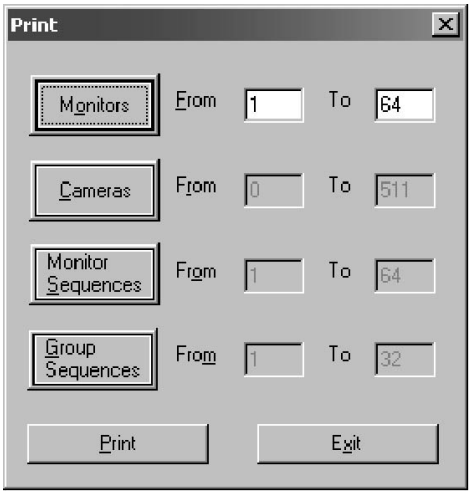

Figure 18. Print dialog box

2) Click on the appropriate buttons and type the numbers of the monitors, cameras, monitor sequences, and group sequences whose parameters you wish to print.

3) Click **Print**.

4) Click **Exit**. The main programming window appears.